

RECEIVED
CENTRAL FAX CENTER

JUN 15 2007

In the Specification:

Rewrite the paragraph at page 6, line 4 as follows.

Referring now to FIG. 3, there is a schematic diagram of a phase correction circuit of the present invention that may be used with a remote mobile receiver. This phase correction circuit receives signals R_j^1 and R_j^2 as input signals on leads 610 and 614 as shown in equations [5-6], respectively.

$$R_j^1 = \sum_{i=0}^{N-1} r_j(i + \tau_j) = \alpha_j^1 S_1 - \alpha_j^2 S_2^* \quad [5]$$

$$R_j^2 = \sum_{i=N}^{2N-1} r_j(i + \tau_j) = \alpha_j^1 S_{12} + \alpha_j^2 S_1^* \quad [6]$$

The phase correction circuit receives a complex conjugate of a channel estimate of a Rayleigh fading parameter α_j^1 corresponding to the first antenna on lead 302 and a channel estimate of another Rayleigh fading parameter α_j^2 corresponding to the second antenna on lead 306. Complex conjugates of the input signals are produced by circuits 308 and 330 at leads 310 and 322, respectively. These input signals and their complex conjugates are multiplied by Rayleigh fading parameter estimate signals and summed as indicated to produce path-specific first and second symbol estimates at respective output leads 318 and 322 as in equations [7-8].